

## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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COUNTRY USSR

REPORT

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SUBJECT Industrial Plants in the USSR  
(European)

DATE DISTR. 13 August 1958

NO. PAGES 1

REFERENCES RD

PROCESSING COPY

DATE OF  
INFO.PLACE &  
DATE ACQ

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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A three-page report on industrial plants in the USSR

The report

contains fragmentary information on the following:

1. Azovstal Metallurgical Plant in Zhdanov.
2. Kirov Machine Tool Plant in Odessa.
3. Kiev: a large brick plant in the suburbs, housing construction sites using the prefabricated brick blocks, a plant for the production of prefabricated units.

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COUNTRY: USSR/Poland

SUBJECT: 1. Azovstal Metallurgical Plant in Zhdanov NO OF PAGES: 3  
2. Kirov Machine Tool Plant in Odessa  
3. Other Industrial Establishments in Kiev  
and Moscow

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Azovstal Metallurgical Plant in Zhdanov

1. The Azovstal Metallurgical Plant was located on the Sea of Azov and occupied an area approximately 2 x 5 kilometers. The plant had its own harbor with necessary installations for unloading the iron ore which was brought by sea; it also had its own railroad siding.
2. Azovstal was an old metallurgical plant which [redacted] had already been reconstructed, modernized, and expanded three times. [redacted] no [redacted] new construction in progress. The plant had a yearly production of about 2,000,000 tons of steel. Azovstal employed about 10,000 employees, including its own railroad and shipping transport services.
3. [redacted] Azovstal had the following departments:
  - a. Blast Furnace Department, which had five blast furnaces. Three of the furnaces were each of about 700-800 m<sup>3</sup> capacity while the other two were each of about 1300 m<sup>3</sup> capacity. They produced about 1,500,000 tons of pig iron yearly.
  - b. Steel plant, which had between 16 and 20 open-hearth furnaces producing about 2,000,000 tons of steel.
  - c. Electric power plant, which had a production capacity of about 100 MGW. [redacted]

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d. Rolling mill, which was the most modern department and was located in a building about 1,000 meters long, about 300 meters wide, and about 8 to 10 meters high. Its total production was about 1,000,000 tons of such products as railroad rails; thick steel plates from 12 mm upwards; structural steel beams of various profile; thick wire for production of steel reinforced concrete; and water-proofed wall sections used for construction of foundations for the hydraulic constructions.

e. Coke chemical plant, which consisted only of some coke batteries. It was planned that the plant would be expanded. [redacted] the Azovstal Plant received anthracite and coke necessary for the production of steel.

4. [redacted] young Chinese engineers and technicians between 25 and 30 years of age at the Azovstal Plant who had been undergoing training for one year. [redacted] altogether there were about 50 of these Chinese trainees, among them 10 diploma engineers.

#### Kirov Machine Tool Plant in Odessa

5. The Kirov Machine Tool Factory was located in the center of Odessa. It was completely rebuilt after World War II at the same location where it had existed formerly; however, because of limited ground space the plant could not be greatly expanded.

6. The plant employed about 1400 persons, and [redacted] it had the best management and most skilled workers of all similar plants in the USSR. The Kirov Machine Tool Plant produced various machine tools, such as very large drilling machine tools; it also produced spare parts for machine tools and precision steel plates. [redacted]

7. The plant had its own designing bureau as well as a large laboratory which employed about 40 outstanding specialists and engineers, among them leading scientists, professors, and lecturers of the Odessa Polytechnical Institute.

[redacted] high level of scientific knowledge of the engineers and scientists [redacted]

[redacted] They were above the average Soviet standard. [redacted] they had good working conditions and most of them were very enthusiastic about their jobs. [redacted] the Kirov Plant distinguished itself by good wages and good care of its employees and the people in Odessa regarded employment at the Kirov Plant as an honor. The director, an engineer about 70 years old, had been in charge for several years and he permitted every scientist and engineer in the plant to carry on scientific research and experiments.

8. [redacted] during seven years' work up to 1956, the construction bureau research laboratory worked out a new method of very precise drilling and machining of spare parts by induced electrical current. [redacted] the laboratory was in the final stage of a project for remote control.

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Other Establishments in Kiev and Moscow

9. [redacted] 25X1
- a. A large brick plant located in the suburbs which was the first one in the USSR to introduce a new semi-dry method of pressing clay. The plant had new "Melia" type presses for brick production which were good but were complicated and had been forced into use in the USSR by Khrushchev.
- b. Several housing construction sites, some of which used the prefabricated brick blocks (wall sections) about 1.5 x 1.6 x 0.35 meters in size. They were introduced for the first time in the USSR in Kiev and were either produced in brick factories or on the building sites in sheds. The use of these brick blocks permitted the construction of buildings during the winter months because they were produced in heated shelters and also did not require skilled bricklayers. [redacted] 25X1  
[redacted] only women were employed in the production of these brick blocks. 25X1
- c. A plant for production of prefabricated units, which was under construction. [redacted] this was a copy of the Lubertsy Plant in Moscow which started production in 1955 and was the largest of its kind in the USSR. The new plant under construction had a 180,000 m<sup>3</sup> yearly production capacity of reinforced concrete elements, including poles, ceiling plates of about 3.60 x 5 x 0.20 meters (which covered one room), lintels, strings and treads for stairs. The production of this plant was to be entirely mechanized. 25X1
10. In Moscow [redacted] a new residential district, the name of which [redacted] was Peschanaya. 25X1
- [redacted]

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